

ABSTRACT

A laser beam module capable of simultaneously producing two mutually perpendicular optical indicator planes, and adapted for usage on building construction sites, thereat synchronously acquiring
5 horizontal and perpendicular measurements as a basis for datum lines.

The laser beam module primarily comprises a laser beam generator, a deflector is disposed in an optical path and utilized to split a laser beam thereof, whereby two light beams emerging from the deflector synchronously proceed towards two optical expanders, the two optical
10 expanders being positioned such as to be mutually perpendicularly related, wherefrom the two light beams are synchronously transformed and therefrom expand to project a horizontal optical plane (beam) and a vertical optical plane (beam).